

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PCJ-453		SERIAL NO. 10698379	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Iizuka, et al.			
				FILING DATE 10/31/2003		GROUP Unknown	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
[Signature]	AA	6,281,395	8/28/2001	Nappa et al.			
	AB	6,376,727	4/23/2002	Rao et al.			
	AC						
	AD						
	AE						
	AF						
	AO						
	AH						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM						
	AN						
	AO						
	AP						
	AQ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AR						
	AS						
	AT						
EXAMINER		[Signature]		DATE CONSIDERED			
				1/24/05			
*EXAMINER: Initial if reference considered, whether or not claimed to be in conformity with MPEP 609; Draw line through citation if not in conformity and not considered. Include copy of this form with next communication to applicant.							

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-039	SERIAL NO. 10099491
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Ikebata, et al.	
				FILING DATE 10/31/2003	GROUP 1621

U.S. PATENT DOCUMENTS							
*Previous Initial	Class	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Suf	AA	2,494,064	1/10/1950	Simons et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						

FOREIGN PATENT DOCUMENTS							
*Previous Initial	Class	Document Number	Date	Country	Class	Subclass	Translation Yes No
Suf	AM	802,590	8/1/1962	UK			
	AN	EP 0 329 989 81	6/18/1997	EPO			
	AO	99/51553	10/14/1999	PCT			
	AP						
	AQ						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)			
*Previous Initial	Class	Document Number	Reference
Suf	AR		"Technology of Fluoropolymers" Dornbey, CRC Press, Vols. 78-79, pp. 8-11, and 14-15, 1971
	AS		
	AT		

EXAMINER: <i>Shi o. Gu</i>	DATE CONSIDERED: 1/24/05
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. PCJ-058		PRIORITY SERIAL NO. 09/966,158	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)					APPLICANT Yuichi Iikubo, et al.			
					PRIORITY FILING DATE 9/28/2001		PRIORITY GROUP 1621	
U.S. PATENT DOCUMENTS								
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate		
	AA	2,494,064	01/50	Simons, et al.				
	AB	2,005,706	06/35	H.W. Daudt, et al.				
	AC	2,005,707	06/35	H.W. Daudt, et al.				
	AD	2,576,823	11/51	A.F. Benning, et al.				
	AE	2,697,124	12/54	R.M. Mantell, et al.				
	AF	2,900,423	08/59	L.B. Smith, et al.				
	AG	2,942,036	06/60	L.B. Smith, et al.				
	AH	3,258,500	06/66	F.W. Swamer, et al.				
	AI	3,436,430	04/69	L.E. Halle et al.				
	AJ	3,636,173	01/72	L.E. Gardner				
	AK	3,803,241	04/74	I. Stolkin, et al.				
	AL	4,158,023	06/79	von Halasz				
	AM	5,043,491	08/91	Webster, et al.				
	AN	5,057,634	10/91	Webster, et al.				
	AO	5,068,472	11/91	Webster, et al.				
	AP	5,068,473	11/91	Kellner, et al.				
FOREIGN PATENT DOCUMENTS								
	Document Number	Date	Country	Class	Subclass	Translation		
						Yes	No	
	AQ	1,162,511	05/91	CA				
	AR	2,081,813	10/92	CA				
	AS	0 349 115 A1	01/90	EP				
	AT	0 434 407 A1	06/91	EP				
	AU	0 442 073 B1	08/93	EP				
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AV	Herbert O. House, "Catalytic Hydrogenation and Dehydrogenation," Modern Synthetic Reactions, 2 nd ed., The Benjamin/Cummings Publications						
		Company (Menlo Park, CA), p. 16. 1978						
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U.S. PATENT DOCUMENTS							
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
28	AA	5,146,018	09/92	Kellner, et al.			
	AB	5,171,901	12/92	Gassen, et al.			
	AC	5,177,273	01/93	Bruhne, et al.			
	AD	5,220,083	06/93	Webster, et al.			
	AE	5,268,343	12/93	Hopp, et al.			
	AF	5,364,992	11/94	Manogue, et al.			
	AG	5,430,204	07/95	Manogue, et al.			
	AH	5,446,219	08/95	Manogue, et al.			
	AI	5,621,151	04/97	Manogue			
	AJ	5,621,152	04/97	Jansen, et al.			
	AK	5,723,699	03/98	Miller, et al.			
	AL	5,902,911	05/99	Rao, et al.			
	AM	5,919,994	07/99	Rao			
	AN	6,018,083	01/00	Manogue, et al.			
	AO	6,156,944	12/00	Pham, et al.			
	AP	6,211,135	04/01	Miller, et al.			
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
28	AQ	0 539 989 A1	05/93	EI			
	AR	9105752	05/91	WO			
	AS	96/17813	06/96	WO			
	AT	98/50327	11/98	WO			
	AU	99/26907	06/99	WO			
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
28	AV	Dmitrii D. Moldavskii. "Technology for the Preparation of Perfluoro-Organic Compounds," Journal of Fluorine Chemistry, Elsevier Science S.A. (Netherlands), Vol. 94 (No. 2), p. 157-167. (February 5, 1999).					
EXAMINER <i>Shi O. Lin</i>				DATE CONSIDERED <i>1/24/05</i>			
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U.S. PATENT DOCUMENTS						
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA					
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Subclass	Translation
						Yes No
28	AB 99/62851	12/99	WO			
	AC 428,361	09/30	UK			
	AD 428,445	05/35	UK			
	AE 468,447	08/37	UK			
	AF 790,335	02/58	UK			
	AG 1,077,932	08/67	UK			
28	AH 1,359,023	07/74	UK			
	AI 1,578,933	11/80	UK			
	AJ					
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)						
28	AK	J. Kvicala, et al., "Preparation of Perhalogenated Chlorofluoropropanes by Halogen Exchange in the Liquid and Vapor Phases and Their Isomer Analyses by 19F NMR Spectroscopy," <i>Journal of Fluorine Chemistry</i> , Elsevier Sequoia (Netherlands), p. 155-17* (February 5, 1989)				
	AL	F.J. Mettillie, et al., "Methods for the Introductions of Hydrogen Into Fluorinated Compounds," <i>Fluorine Chemistry Reviews</i> , 1 st ed., Vol. 1 (No. 2), p. 315-358. (February 5, 1967).				
	AM	Dr. Mark D. Cisneros, et al., "An Integrated Approach to Achieve Low Environmental Impact in the Special Hazards Fire Suppression Industry," Great Lakes Chemical Corporation (West Lafayette, Indiana), p. 1-8.				
	AN	Viacheslav A. Petrov, et al., "Isomerization of Halopolyfluoroalkanes by the Action of Aluminum Chlorofluoride," <i>Journal of Fluorine Chemistry</i> , Elsevier Science S.A. (Netherlands), p. 125-130, (February 5, 1998).				
	AO	B.P. Aggarwal, et al., "Chlorination of Propane and Propylene and Pyrolysis of Perchloropropane," <i>Petroleum & Hydrocarbons</i> , Vol. 3 (No. 2), p. 69-72, (July 5, 1968).				
28	AP	Albert L. Henne, et al., "Fluorinated Derivatives of Propane and Propylene," p. 496-497, (March 5, 1946).				
EXAMINER		DATE CONSIDERED				
Y. Iikubo		1/24/05				
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	Document Number	Date	Country	Class	Subclass	Translation
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	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)						
	AK		Kirk-Othmer, "Encyclopedia of Chemical Technology," Catalysis, 3 rd ed., John Wiley & Sons (New York), p. 16-18, 1982			
	AL		Milos Hudlicky, "Chemistry of Organic Fluorine Compounds, A Laboratory Manual with Comprehensive Literature Coverage," 2 nd ed., Ellis Horwood (New York), p. 170-179, (February 8, 1992).			
	AM					
	AN					
	AO					
	AP					
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